

TEST REPORT

FR.PK.21.02 / Release Date: 09.09.2016 / Revision Date: 01.03.2018 / Revision No: 02

Production Facility	QUA Granite Hayal Yapı
Name of The Product	60x60x2cm LUNA series
Product Group	Dry-pressed ceramic tiles / Group Bla / GL
General Properties	Matt or special surface all rectified and chamfered
Special Body for Product	Porcelain Body specially mix colored to match its surface design and colours
Recommended Use	interior & exterior floors
Report Date	1.11.2022

Characteristics	Test Results	EN 14411 ANNEX G Requirements	Test Method
A.1 b) Length & Width for rectified tiles	597 ± 0,5 mm	60 cm side: 597± 1,0 mm	EN ISO 10545-2
A.2 Thickness	max. ±0,4 mm	max. ± 0,5 mm	EN ISO 10545-2
A.3 Straightness of Sides	max. ± 0,8 mm	max. ± 0,8 mm	EN ISO 10545-2
A.4 Rectangularity	max ± 0,5 mm	max. ± 1,5 mm	EN ISO 10545-2
A.5 b) Center Curvature	max ± 0,5 mm	max. ± 1,8 mm	EN ISO 10545-2
A.5 d) Edge Curvature	max ± 0,5 mm	max. ± 1,8 mm	EN ISO 10545-2
A.5 f) Warpage-corner curvature	max ± 0,5 mm	max. ± 1,8 mm	EN ISO 10545-2
A.6 Surface Quality	> 95 % First Quality	> 95 % First Quality	EN ISO 10545-2
B.1 Water Absorption (by mass)	< 0,1 %	≤ 0,5 %	EN ISO 10545-3
B.2 Breaking Strength	> 9500N	> 1300 N	EN ISO 10545-4
B.3 Flexural-Bending Strength	min 35 N/mm ²	min 35 N/mm ²	EN ISO 10545-4
B.4 b) Resistance to surface abrasion	Night, Copper, Taupe, Ash III Cool Grey, Mid Grey, Sand IV Off White V	As declared	EN ISO 10545-7
Scratch Resistance	≥ 7 Mohs	As declared	EN 101
B.5 Coeff. Of Thermal Expansion	< 9,0 x 10 ⁻⁶	As declared	EN ISO 10545-8
B.6 Thermal Shock Resistance	Resistant	Required	EN ISO 10545-9
B.7 Crazeing Resistance	Resistant	Required	EN ISO 10545-11
B.8 Frost Resistance	Resistant	Required	EN ISO 10545-12
B.9 Slipperiness	Matt : As declared	As declared	DIN 51130 and/or BS 7679 four S Rubber
B.10 Bond Strength	declared due to customer needs	As declared	EN 12004-1,4.1- 4.2- 4.3
B.11 Moisture Expansion	< 0,3 mm/m	As declared	EN ISO 10545-10
B.12 Small Colour Differences	ΔE _{cmc} < 0,50 for base colors	ΔE _{cmc} < 0,75	EN ISO 10545-16
B.13 Impact Resistance	applied due to customer needs	As declared	EN ISO 10545-5
B.14 Reaction to fire	Class A1 _{FL}	Class A1 or A1 _{FL}	-
C.1 a) Resistance to staining	Class 5	Min. Class 3	EN ISO 10545-14
C.2 a)Resistance to low conc. of Acid & Alkalis	min. LA	As declared	EN ISO 10545-13
C.2 b)Resistance to high conc. of Acid & Alkalis	min. HA	As declared	EN ISO 10545-13
C.2 b)Resistance to household Chemicals and swimming pool salts	min A class	Min. B class	EN ISO 10545-13
C.3 c)Release of dangerous substance : Cadmium	< 0,005 mg/dm ²	As declared	EN ISO 10545-15
C.3 c)Release of dangerous substance : Lead	< 0,005 mg/dm ²	As declared	EN ISO 10545-15
OVERALL RESULT	All test results are in accordance with TS EN 14411 (ISO 13006) Bla Annex G latest version norms		
Prepared by Process Quality Control Chief Hasan Hüseyin TOPOZ	Approved by R&D Director Canan GUVEN		